

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S) : Bohler et al.
TITLE : LEAD-BASED LIGHT BULB
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EXAMINER : Mary E. Zettl
ART UNIT : 2875
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RESPONSE TO NON-COMPLIANT APPEAL BRIEF

MAIL STOP APPEAL
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Notice of Non-Compliant Appeal Brief mailed January 20, 2011, on the above-referenced patent application, Applicant(s) hereby submits an amended Summery of the Claimed Subject Matter to replace pages 5 and 6 of the Appeal Brief.

CONCLUSION

The foregoing submission is believed to meet the requirements of the Notification of Non-Compliant Appeal Brief, and the Applicant awaits further action on the application from the Patent and Trademark Office.

Respectfully submitted,

Fay Sharpe LLP



February 4, 2011
Date

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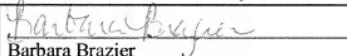
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Barbara Brazier

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V. SUMMARY OF CLAIMED SUBJECT MATTER

The invention of claim 1 is directed to a light source comprising a light engine 16 (page 3, line 34, Figs. 1, 2) for generating light of one of a plurality of wavelengths. The light engine 16 (page 3, line 34, Figs. 1, 2) includes a platform 14 (page 3, line 12, Figs. 1, 2) and at least one LED 12 (page 3, line 12, Figs. 1, 2) disposed on the platform 14 (page 3, lines 11-13, Figs. 1, 2), an enclosure 22 (page 3, line 17, Figs. 1, 2) surrounding a light generating area of the light engine 16, a base 24 (page 3, lines 33-34, Figs. 1, 2) including a heat sink 26 (page 4, line, Figs. 1, 2) for conducting thermal energy away from the at least one LED 12, into which the heat sink 26 and the light engine 16 is mounted, and a luminescent converting element (page 5, lines 12-13) to receive a light generated by the light engine and convert at least a portion of the received light into visible light. The luminescent converting element (page 5, lines 12-13) either disposed on the enclosure, dispersed within the material forming the enclosure, or both. The light source further includes a conversion circuit 30 (page 4, lines 23-24, Figs. 1, 2) for supplying electric power to the light engine 16.

The invention of claim 5 is directed to the light source of claim 1, including a light guide 36 disposed within the enclosure 22 (page 6, line 7).

The invention of claim 15 is directed to the light source of claim 1, wherein the heat sink 26 comprises a slug 32 inserted into the base 24 for conducting the thermal energy from the at least one LED 12 to at least one of the base 24 and ambient air (page 5, lines 1-3).

The invention of claim 17 is directed to the light source as set forth in claim 1, wherein the heat sink 26 extends radially from the base 24 to conduct the thermal energy to ambient air (page 5, lines 4-6).

The invention of claim 23 is directed to a modular adaptable LED lighting system 10 (page 3, line 11, Figs. 1, 2). The lighting system 10 comprises a base module 24 (page 3, lines 33-34, Figs. 1, 2) and at least two light modules having different light emission characteristics, each light module including a platform 14 (page 3, line 12, Figs. 1, 2) which mates with the base module 24, and at least one LED 12 (page 3, lines 33-34, Figs. 1, 2) disposed on the platform 14 for generating light in a range from ultraviolet to infrared wavelengths. The lighting system 10 further includes an enclosure 22 (page 3, lines 16-17, Figs. 1, 2), which surrounds the light produced by

the light module such that at least a portion of the light is transmitted through the enclosure 22, a wavelength converting material (page 5, line 12-13) being one of disposed on the enclosure 22 and dispersed within the material forming the enclosure 22 or both, an index matching material 28 (page 4, line 13) encompassing the at least one LED 12, and a power module 30 (page 4, line 24-25) for energizing the at least one LED 12.